pSEMI MATERIAL DECLARATION FORM

Product:	**PE423213**
Ordering Codes:	**PE423213A-Z**
Description:	**UltraCMOS® SPDT RF Switch, 300 MHz–10.6 GHz**
Package:	**Green 6-lead 1.6 × 1.6 mm DFN**
Environmental Compliance	EU **RoHS** Directive 2011/65/EC and amendment 2015/863, **REACH** - EU ECHA SVHC, **Arsenic Free**, **JIG 101** - EIA/EICTA/JEITA, **Halogen Free** - IEC61249-2-21, **PFOS Free** - 2006/122/EC, **Antimony Trioxide Free**
Lead Finish	**NiPdAu+Ag**
Availability	**Now**

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	0.209378	5.02%	50,244
Die	Aluminum	7429-90-5	0.000637	0.02%	153
Die	Silicon	7440-21-3	0.000042	0.00%	10
Die	Arsenic	7440-38-2	0.000000	0.00%	0
Die	Boron	7440-42-8	0.000000	0.00%	0
Die	Phosphorus	7723-14-0	0.000001	0.00%	0
Die	Titanium	7440-32-6	0.000106	0.00%	25
Die	Tungsten	7440-33-7	0.002123	0.05%	509
Die	Cobalt	7440-48-4	0.000004	0.00%	1
Die	Copper	7440-50-8	0.000002	0.00%	0
Leadframe	Copper (Cu)	7440-50-8	1.277440	30.65%	306,547
Leadframe	Nickel (Ni)	7440-02-0	0.039837	0.96%	9,560
Leadframe	Silicon (Si)	7440-21-3	0.008631	0.21%	2,071
Leadframe	Magnesium (Mg)	7439-95-4	0.001992	0.05%	478
Leadframe Plating	Nickel	7440-02-0	0.129204	3.10%	31,005
Leadframe Plating	Palladium	7440-05-3	0.004948	0.12%	1,187
Leadframe Plating	Gold	7440-57-5	0.002777	0.07%	666
Leadframe Plating	Silver	7440-22-4	0.002171	0.05%	521
Die Attach	Silicon dioxide	7631-86-9	0.002470	0.06%	593
Die Attach	Epoxy Resin	Reaction	0.001330	0.03%	319
Bonding Wire	Gold (Au)	7440-57-5	0.058707	1.41%	14,088
Bonding Wire	Palladium (Pd)	7440-05-3	0.000593	0.01%	142
Molding Compound	Epoxy Resin A	Proprietary	0.072744	1.75%	17,456
Molding Compound	Epoxy Resin B	Proprietary	0.072744	1.75%	17,456
Molding Compound	Phenol Resin	Proprietary	0.145488	3.49%	34,913
Molding Compound	Silica Amorphous(A)	60676-86-0	1.854972	44.51%	445,137
Molding Compound	Silica Amorphous(B)	7631-86-9	0.169736	4.07%	40,731
Molding Compound	Metal Hydroxide	Proprietary	0.096992	2.33%	23,275
Molding Compound	Carbon Black	1333-86-4	0.012124	0.29%	2,909
Total Weight (mg)			**4.167193**	100.00%	1,000,000